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COLORADO SCIENTIFIC SOCIETY

YEAR BOOK
1832-1919



LIBRARY OF THE
UNIVERSITY OF WISCONSIN
MADISON



Constitution and By-Laws

of the

Colorado Scientific Society

With a List of Officers
and Members



Colorado State Museum Building
14th Avenue and Sherman St.
Denver, Colorado
JANUARY 1, 1919

Officers of the Colorado Scientific Society for 1919.

LEWIS B. SKINNER, care Western Chem. Mfg. Co.,
Denver, President

L. G. CARPENTER, 707 First Natl. Bank Bldg.,
First Vice-President

JOHN B. EKELEY, 525 Highland Ave., Boulder,
Second Vice-President

CHARLES W. HENDERSON, 409 Post Office Bldg.,
Denver, Treasurer

HARRY J. WOLF, 1027 First Natl. Bank Bldg.,
Denver, Secretary

MISS REBECCA M. RIDDLE, Assistant Secretary



Executive Committee

Lewis B. Skinner Charles W. Henderson Harry J. Wolf	} Ex Officio
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Frank E. Shepard J. D. Skinner	} Term Expires January 1, 1920
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J. Clare Evans M. S. MacCarthy	} Term Expires January 1, 1921
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Marmaduke B. Holt George O. Argall	} Term Expires January 1, 1922
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INTRODUCTORY

The Colorado Scientific Society was organized in December, 1882, and was incorporated under the laws of Colorado in January, 1885. Its charter members were Herman Beeger, Whitman Cross, Anton Eilers, S. F. Emmons, J. B. Grant, Rev. H. Martyn Hart, N. P. Hill, W. F. Hillebrand, A. H. Low, Richard Pearce, P. H. van Diest and A. von Schulz.

From the charter membership of twelve the Society has grown in its thirty-six years to have one hundred and fifty members. The list includes assayers, chemists, metallurgists, geologists, botanists, physicists and civil, mining, mechanical and electrical engineers. The activity of the members is attested by the ten octavo volumes which constitute the proceedings of the Society up to the present time.

Membership in this Society is not by any means restricted to the class of professional men above mentioned, but is open to anyone directly or indirectly associated with pure or applied science or anyone interested in the work of the Society.

In the list of the membership following will be found the names of bankers, lawyers, physicians, business men, mining men and of those interested in the work the Society is doing.

The Society maintains a library containing about two thousand five hundred volumes of valuable scientific literature, much of it being

bound volumes of the proceedings of other scientific associations in various parts of the world. One hundred sixty-seven scientific societies are on the exchange list at the present time, and their proceedings are regularly received.

The mineralogical and lithological collections occupy thirty-four showcases and four large chests of drawers and include many rare and valuable specimens.

The rooms of the Society are open to members and to the public during usual business hours. A meeting for the transaction of business and the reading of papers is held on the first Saturday of each month at 8 o'clock in the evening.

According to the Constitution, the membership is graded in the following manner and is indicated as follows:

Associates by A.

Member by M.

Fellows by F.

Honorary Fellows by H. F.

Life Members by L. M.

Charter Members are indicated by (C. M.) following their names.

CONSTITUTION.*

Name.

Article I. This Association shall be called
"The Colorado Scientific Society."

The headquarters of the Society shall be located in the City and County of Denver, Colorado.

Objects.

Art. II. Its objects shall be the promotion of scientific observation, record and intercourse.

Means for Attaining These Objects.

Art. III. Among the means for attaining these ends shall be periodical meetings of the Society, the reading of papers, the discussion of scientific subjects, the collection and preservation of scientific literature and objects of scientific interest, especially investigation into matters of public and scientific interest, and the publication of such parts of the proceedings as may be deemed expedient.

Membership.

Art. IV. 1. The Society shall consist of Honorary Fellows, Fellows, Members and Associates.

2. Honorary Fellows shall be such scientists connected with the Society as the Executive

*Adopted Nov. 4, 1905.

Committee may deem worthy of a special mark of distinction. They shall be exempt from the payment of dues.

3. Fellows shall be persons of acknowledged eminence in some branch of pure or applied science.

4. Members shall be persons of recognized attainments in some branch of pure or applied science.

5. Associates shall be persons interested in the objects of the Society.

All persons belonging to the Society shall be entitled to all the privileges of the Society.

Admissions and Expulsions.

Art. V. An application for admission to the Society, except to the grade of Associate, shall embody a concise statement of the candidate's record, and shall be in a form and in such detail as may be prescribed by the Executive Committee. It shall be signed by the applicant and shall contain a promise to conform to the requirements of membership, if elected. The applicant shall furnish the names of at least three persons belonging to the Society who will vouch for him.

The power of election to membership shall be vested in the Executive Committee. The Secretary shall submit to the members the names of the applicant and his references, inviting confidential communications to the Executive Committee regarding his qualifications for membership. Such communications shall be

made within a period of thirty days following the publication of the application, at the expiration of which time the Executive Committee shall take its action. In case the application is rejected, no notice thereof shall be entered on the records of the Society, but the applicant shall be notified.

An elected candidate shall be duly notified by the Secretary. He shall not be entitled to the privileges of membership until his dues for the current year are paid. If this provision is not complied with within six months from the date of notification of election, such election shall be considered void, unless for special reason the time shall be extended by the Executive Committee.

The Executive Committee shall determine to which class each person shall belong; provided, however, that it shall in no case have power to reduce the grade of a member.

Upon the written request of ten or more persons belonging to the Society, that for cause therein set forth any person be expelled, the Executive Committee shall consider the matter, and, if there appears to be sufficient reason, shall advise the accused of the charges against him. He may, if he so desires, present a written defense, which shall be considered at a meeting of the Executive Committee, of which he shall receive due notice. Not less than thirty days after such meeting the Executive Committee shall finally consider the case, and, if resignation has not been tendered, or a defense made

which is satisfactory to the Committee, it shall then notify the person that he will be expelled in one month unless he elects to appeal from this decision to the Society. Such appeal shall be submitted by letter ballot.

A member of any grade in the Society may resign his membership by a written communication to the Secretary, who shall present the same to the Executive Committee, when, if he is not indebted to the Society, his resignation shall be accepted.

Dues.

Art. VI. The amount of entrance fee and annual dues shall be as provided by the By-Laws.

The annual contributions shall become due for the ensuing year on the first day of January, and shall be payable in advance. It shall be the duty of the Secretary to notify each member of the amount due for the ensuing year at the time of giving notice of the Annual Meeting.

Persons elected after six months of any fiscal year shall have expired shall pay only one-half of the amount of dues for that fiscal year.

Any person whose dues are more than three months in arrears shall be notified by the Treasurer. Should his dues not be paid when they become six months in arrears, he shall lose the right to vote or to receive the publication of the Society. Should his dues become nine months in arrears, he shall again be notified, in form prescribed by the Executive Committee, and if such dues become one year in

arrears, he shall again be notified in form prescribed by the Executive Committee, and if such dues become one year in arrears, he may, at the discretion of the Executive Committee, forfeit his connection with the Society.

All future annual dues may be compounded by a single payment of \$100 by a person not in arrears.

Officers.

Art. VII. The officers of the Society shall be a President, two Vice-Presidents, to be known as first and second respectively, a Secretary, a Treasurer, and an Executive Committee of nine, of which the President, Secretary and Treasurer shall be ex officio members.

At the first election following the adoption of this Constitution there shall be elected six members of the Executive Committee, two of whom shall serve for three years, two for two years, and two for one year. They shall immediately after their election meet and decide by ballot, or otherwise, the term of each member. The members of the Executive Committee elected at all subsequent elections shall hold office for three years.

Five members of the Executive Committee shall constitute a quorum for the transaction of business.

The President, Vice-President, Secretary and Treasurer shall hold office for one year, or until their successors are duly elected and qualified. Their term of office shall continue

until the adjournment of the meeting at which their successors are elected.

Vacancies in the offices may be filled by ballot, conducted in the same manner as for annual elections, except in the case of the Executive Committee, where the vacancy or vacancies may be filled by the remaining members of the Executive Committee, the person or persons so selected to hold office only until the next annual election, at which time the vacancy or vacancies shall be filled by the Society for the remainder of the unexpired term.

Duties of Officers.

Art. VIII. The President, or, in his absence, one of the Vice-Presidents, who shall rank according to their numerical designation, shall preside at all meetings of the Society, and in case of their absence a chairman, pro tempore, shall be chosen by a majority of votes of members present. The President shall preside at meetings of the Executive Committee at which he may be present.

The Secretary shall keep the records of the Society, shall issue notices of meetings, nominations for officers, proposed changes in the Constitution and By-Laws; shall see that papers and discussions are prepared for the meetings, and shall publish such parts of the proceedings as may be determined by the Executive Committee.

The Treasurer shall receive and have charge of all the funds of the Society and deposit the same in the name of the Society. He shall pay

all bills approved by the Executive Committee. He shall make an annual report and such other reports as may be prescribed by the Executive Committee.

The Executive Committee shall have general supervision of the affairs of the Society, shall control all of the expenditures, shall appoint the necessary Curators and Librarians, as well as all other employes, shall take measures to advance the interests of the Society, and shall generally direct its business. The Executive Committee shall make an annual report through the Secretary.

Nomination and Election of Officers.

Art. IX. At the monthly meeting in December, nominations shall be made for officers for the ensuing year. These nominations shall be sent by the Secretary, in writing, to each member.

Officers of the Society shall be elected at the annual meeting, to hold office during the ensuing year. They shall be voted on by ballot, and a majority of votes cast shall be necessary for an election, except in the case of the Executive Committee, where a plurality of votes shall elect. Members not able to be present may vote by letter.

Meetings.

Art. X. The annual meeting of the Society shall take place on the third Saturday of each December at the Society's rooms. At this meetings reports of officers shall be presented.

Monthly meetings for the transaction of business and the presentation and discussion of papers shall be held in the Society's rooms on the first Saturday of each month, at such time as the Executive Committee may direct. When the monthly meeting day falls on a legal holiday, the meeting shall be held on the following Saturday.

Special meetings of the Society for the presentation and discussion of papers may be called for any time and place by the Executive Committee.

Every question which shall arise shall be decided by the votes of a majority of the persons present and entitled to vote, except as otherwise provided in this constitution.

Any member may introduce one or more strangers at any meeting, but such persons shall not take part in the proceedings without the consent of the presiding officer.

At any meeting of the Society seven shall constitute a quorum for the transaction of business.

Amendments.

Art. XI. Proposed amendments to this Constitution shall be submitted in writing to the Executive Committee, and shall be signed by not less than ten members of the Society. Upon approval by the Executive Committee the proposed amendments shall be submitted to the Society for acceptance or rejection by ballot. The amendments and ballots shall be mailed by the Secretary, to be returned to him not

less than thirty days from the date of mailing the same. The Secretary and two tellers, appointed by the President, shall count the ballots and certify the result to the Society at the first monthly meeting following. Affirmative votes to the number of two-thirds of the ballots cast shall be required to carry any proposed amendment.

Amendments so adopted shall take effect at the meeting at which the announcement is made; provided, however, that the officers of the Society at the time any amendment is adopted shall continue in office until the next annual election.

BY-LAWS

Art. I. There shall be no entrance fee. The annual dues shall be ten dollars for each person connected with the Society, except as exempted by the Constitution.

Art II. At the regular meetings the following order of business shall be observed:

1. Reading of the minutes.
2. Reports of officers.
3. Reports of committees.
4. Unfinished business.
5. New business.
6. Announcements.
7. Presentation of papers and discussion.
8. Adjournment.

This order of business may be suspended by a majority vote of the members present.

Art. III. These By-Laws may be amended in the same manner as prescribed for the amendment of the Constitution.

(Form A.)

APPLICATION FOR ADMISSION

I hereby apply for admission to the Colorado Scientific Society:

(Candidate should make a brief statement of his career, giving date and place of birth, education, present occupation or profession, what if any scientific work he has published, what contributions he has made to the advancement of pure and applied science, and any other information which may aid the Executive Committee in passing upon this application.)

I am especially interested in.....
(Here state what branches of science.)

I certify that the above statements are correct, and agree, if elected by the Society, to be governed by its Constitution, By-Laws and rules as long as my connection with it shall continue. I furthermore agree to promote the objects of the Society as far as shall be within my power.

Signed

Address

.....

Date.....

References:

.....
Address
.....
Address
.....
Address

(The names of three members of the Colorado Scientific Society who will vouch for the applicant must be given here. The Executive Committee will communicate with them before acting upon this application.)

(Form B.)

APPLICATION FOR ADMISSION AS ASSOCIATE

I hereby apply for admission to the Colorado Scientific Society as an Associate.

I agree, if elected, to be governed by the Constitution, By-Laws and Rules of the Society as long as my connection with it shall continue, and to promote the objects of the Society as far as shall be within my power.

Signed

Address
.....

Date.....

MEMBERS RESIDING IN DENVER

- M. Adams, G. Whitney, 610 Cooper Bldg.
- F. Argall, Philip, 1208 First Nat. Bank Bldg.
- M. Ashley, Frank R., West. Chem. Mfg. Co.
- A. Baker, James H., 980 Marion St.
- F. Bethel, Ellsworth, State Museum Bldg.,
14th Ave. and Sherman St.
- M. Bogart, Dr. W. S., 1427 Stout St.
- M. Broadhead, Albert G., University Club.
- F. Brunton, D. W., Symes Bldg.
- M. Bulkley, Frank, 850 Equitable Bldg.
- H.F. Canon, George L., 1914 Pennsylvania Av.
- M. Carpenter, L. G., 707 First Nat. Bank
Bldg.
- M. Case, W. W., Jr., care Denver Athletic
Club.
- M. Cazin, Franz, 2150 Lafayette St.
- M. Chase, Charles A., 825 Cooper Bldg.
- H.F. Chauvenet, Dr. Regis, 1624 Grant St.
- L.M. Collins, George E., 414 Boston Bldg.
- M. Comstock, Charles W., 1005 First Nat.
Bank Bldg.
- M. Cox William J., 326 Colorado Nat. Bank
Bldg.
- M. Cranmer, W. H. H., 800 E. & C. Bldg.
- A. Dewey, Chauncey E., 323 Boston Bldg.
- M. Eakins, L. G., care A. S. & R. Co.
- M. Eastman, Herbert C., 736 Equitable Bldg.
- M. Edson, Dr. Carroll E., Majestic Bldg.
- L.M. Edwards, J. Warner, 1347 Court Place.
- M. Eggers, Henry, 2763 Blake St.

- M. Elliott, William R., 930 Humboldt St.
- M. Engle, W. D., 2233 South Columbine St.
- M. Evans, J. C., care Denver Fire Clay Co.
- F. Finch, John W., 730 Symes Bldg.
- M. Fisher, C. A., 704 First Nat'l. Bank Bldg.
- M. Foster, E. Le Neve, "The Perrenoud,"
17th Ave. and Emerson St.
- M. Frenzel, A. B., 1540 Sherman St.
- M. Frost, Oscar J., 420 18th St.
- M. Gordon, Robert W., P. O. Box 569.
- M. Greene, L. C., 1655 Seventh St.
- H.F. Hale, Irving, 1420 Franklin St.
- M. Hanington, C. H., 1133 Pennsylvania St.
- M. Hart, Dean H. Martyn (C. M.), 1324
Washington St.
- M. Henderson, Charles W., 409 Post Office
Bldg.
- A. Hendrie, E. B., 1536 17th St.
- A. Herrington, Fred, University Club.
- H.F. Hills, R. C., care Victor-American Fuel
Co., E. & C. Bldg.
- M. Hills, Victor G., 312 McPhee Bldg.
- M. Hodges, William V., Colorado National
Bank Bldg.
- M. Holt, Marmaduke B., 340 Century Bldg.
- M. Hoskin, Arthur J., 717 Cooper Bldg.
- L.M. House, Mrs. B. F., 2445 California St.
- A. Hover, Dr. William A., 14th and Law-
rence Sts.
- M. Ionides, S. A., 601 Marion St.
- M. James, Harry C., 685 Emerson St.
- M. Jaycox, Thomas W., 1222 E. 16th Ave.
- M. Johnston, Dr. William A., 2135 Downing
Ave.

- M. Kennedy, George A., 2741 Boulevard F.
- M. Kranefeld, P., 1707 Franklin St.
- M. Laucks, I. F., 1655 Seventh St.
- A. Lewis, Hume, University Club.
- M. Low, Albert H. (C. M.), 1750 Arapahoe.
- M. Lowden, Hugh B., 3301 Wynkoop St.
- M. MacCarthy, M. S., First National Bank Bldg.
- A. McAllister, Henry, Jr., 420 Equitable Bldg.
- M. McClave, James M., 516 18th St.
- M. McHugh, P. M., 812-824 Cooper Bldg.
- M. Mills, William F. R., Room 303, City Hall
- A. Morse, Bradish P., 1732 Wazee St.
- A. Nathan, Louis M., 203 Colorado Bldg.
- M. Nevill, D. J., 658 Emerson St.
- M. Newell, Lester A., 2205 Eudora St.
- M. Nicholson, Samuel D., 807 First National Bank Bldg.
- M. Parker, Richard A., 802 Equitable Bldg.
- M. Platt, E. H., 932 Equitable Bldg.
- A. Ponsford, Arthur, 424 E. & C. Bldg.
- M. Porter, J. A., Denver Club.
- M. Porter, William E., 869 Vine St.
- L.M. Richards, John W., 1118 19th St.
- M. Rickard, Forbes, Equitable Bldg.
- M. Roeser, Frederick, 1214 Pearl St.
- M. Root, John W., 1744 Broadway.
- M. Sands, Herbert S., 1052 Gas & Elec. Bldg.
- M. Schott, Max, 825 Foster Bldg.
- M. Searing, Lewis, care Denver Engineering Works Co.
- M. Shepard, Frank E., care Denver Engineering Works Co.

- M. Shubart, Benedict, 521 Boston Bldg.
- M. Skinner, George W., Jr., 870 Gas & Electric Bldg.
- M. Skinner, J. D., 909 Pearl St.
- M. Skinner, Lewis B., care West. Chem. Mfg. Co.
- A. Smith, Harry D., 827 14th St.
- M. Stearns, Thomas B., 1720 California St.
- A. Stott, J. B., 3263 Perry St.
- M. Tonge, Thomas, 408 Boston Bldg.
- M. von Schulz, A. (C. M.), 1750 Arapahoe.
- A. Wilfley, A. R., 1300 High St.
- M. Wilkinson, Thomas L., 407 Boston Bldg.
- A. Wolcott, Henry R., 204 Boston Bldg.
- M. Wood, Henry E., 1734 Arapahoe St.

MEMBERS RESIDING OUTSIDE OF DENVER, IN COLORADO.

- M. Argall, George O., Leadville.
- M. Barbour, P. P., Idaho Springs.
- M. Boericke, Harold, No. 6 National State Bank Bldg., Boulder.
- M. Carroll, Fred, Ouray.
- A. Cramer, George E., 121 South Toledo Ave., Leadville.
- M. Doble, Robert McF., Norwood.
- M. Duce, James Terry, 747 Ninth St., Boulder.
- M. Ekeley, John B., 525 Highland Ave., Boulder.
- M. Farrand, Dr. Livingston, State University, Boulder.

- M. Fischer, Siegfried, Jr., care Parfet Ranch, Golden.
- M. Fleck, Herman, Golden.
- F. George, Russel D., State University, Boulder.
- H.F. Headden, Dr. William P., State Agricultural College, Fort Collins.
- M. Ketchum, Dr. Milo S., State University, Boulder.
- A. McNeil, John L., care Durango Trust Co., Durango.
- M. Miller, L. F., P. O. Box 93, Golden.
- M. Milliken, John Tait, P. O. Box 97, Colorado Springs.
- M. Moore, Dr. Richard B., Bureau of Mines Experiment Station, Golden.
- M. Morse, James L., 1616 Maple St., Golden.
- M. Morton, Roscoe, Idaho Springs.
- M. Palmer, Irving A., 1620 Maple St., Golden.
- F. Patton, Dr. H. B., 817 15th St., Golden.
- A. Rathvon, S. F., care Inland Oil Co., Boulder.
- M. Roberts, J. C., Golden.
- M. Sayre, Robert H., Central City.
- M. Schirmer, Rens E., P. O. Box 612, Idaho Springs.
- A. Smale, F. L., 314 South 5th St., Victor.
- M. van Diest, E. C., P. O. Box 1082, Colorado Springs.
- M. Wells, Bulkeley, Telluride.

**MEMBERS RESIDING OUTSIDE OF COLO-
RADO, IN THE UNITED STATE.**

- M. Anderson, George G., 336-337 Consoli-
dated Realty Bldg., Los Angeles, Calif
- M. Bowman, F. C., P. O. Box 408, Wichita
Falls, Texas.
- L.M. Callow, John M., 159 Pierpont Ave., Salt
Lake City, Utah.
- H.F. Cross, Dr. Whitman (C. M.), U. S. Geo-
logical Survey, Washington, D. C.
- M. Davis, Walter W., 1049 Marbridge Bldg.,
34th St. & Broadway, New York City,
New York.
- M. Dorr, John V. N., 101 Park Ave., New
York City, New York.
- M. Farish, John B., 58 Sutter St., San Fran-
cisco, Calif.
- M. Goodale, C. W., Butte, Montana.
- M. Guess, Harry A., 120 Broadway, New
York City, New York.
- M. Harsh, Samuel A., Somerton, Yuma,
County, Arizona.
- H.F. Hillebrand, W. F. (C. M.), Standards
Bureau, Washington, D. C.
- F. Kemp, James F., Columbia University,
New York City, New York.
- M. Kirby, E. B., 918 Security Bldg., St.
Louis, Mo.
- M. Morse, Willard S., 120 Broadway, New
York City, New York.
- M. Moss, Dr. Milton, Huntsville, Ala.

- M. Parmelee, Howard C., 239 West 39th St.,
New York City, New York.
- F. Penrose, Prof. R. A. F., Jr., 460 Bullitt
Bldg., Philadelphia, Penna.
- M. Plumb, Albert M., Platteville, Wis.
- A. Putzel, Henry V., P. O. Box 957, New
York City, New York.
- M. Raymer, George S., Rotch Bldg., Harvard
University, Cambridge, Mass.
- M. Spitzer, Oscar, 61 Broadway, New York
City, N. Y.
- M. Stock, Kurt, care Bartlesville Zinc Co.,
Bartlesville, Okla.
- F. Winchell, Horace V., 826 First National-
Soo Line Bldg., Minneapolis, Minn.
- M. Wolf, Harry J., care Rocky Mt. Club,
65 West 44th St., New York City,
New York.

MEMBERS RESIDING OUTSIDE OF THE UNITED STATES.

- H.F. Pearce, Dr. Richard (C. M.), care Wil-
liams, Harvey & Co., Hayle, Cornwall,
England.
- M. Posselt, Ejnar, care Compania Argentina
de Cement Portland, 46 Recenquista,
Buenos Aires, Argentina, S. A.
- M. Sticht, Robert, Mt. Lyell Mining & Rail-
way Co., Queenstown, Tasmania.

SUMMARY.

Life Members	5
Honorary Fellows	8
Fellows	9
Members	109
Associates	19
<hr/>	
Total.....	150



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